

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/874,350E
Source: 1FW/b
Date Processed by STIC: 10/27/06

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:19

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

3 <110> APPLICANT: Oncoimmunin, Inc.
 4 Komoriya, Akira
 5 Packard, Beverly
 7 <120> TITLE OF INVENTION: COMPOSITIONS FOR THE DETECTION OF ENZYME ACTIVITY IN
 BIOLOGICAL
 8 SAMPLES AND METHODS OF USE THEREOF
 10 <130> FILE REFERENCE: 300-903840US
 12 <140> CURRENT APPLICATION NUMBER: US 09/874,350E
 13 <141> CURRENT FILING DATE: 2001-06-04
 15 <150> PRIOR APPLICATION NUMBER: PCT/US98/00300
 16 <151> PRIOR FILING DATE: 1998-02-20
 18 <150> PRIOR APPLICATION NUMBER: PCT/US00/24882
 19 <151> PRIOR FILING DATE: 2000-09-11
 21 <150> PRIOR APPLICATION NUMBER: US 09/394,019
 22 <151> PRIOR FILING DATE: 1999-09-10
 24 <150> PRIOR APPLICATION NUMBER: US 08/802,981
 25 <151> PRIOR FILING DATE: 1997-02-20
 27 <160> NUMBER OF SEQ ID NOS: 221
 29 <170> SOFTWARE: PatentIn version 3.3
 31 <210> SEQ ID NO: 1
 32 <211> LENGTH: 9
 33 <212> TYPE: PRT
 34 <213> ORGANISM: Artificial
 36 <220> FEATURE:
 37 <223> OTHER INFORMATION: Chemically synthesized peptide -- Protease substrate
 40 <220> FEATURE:
 41 <221> NAME/KEY: misc_feature
 42 <222> LOCATION: (5)..(5)
 43 <223> OTHER INFORMATION: Xaa is norleucine (Nle)
 45 <400> SEQUENCE: 1
 W--> 47 Asn Ala Ile Pro Xaa Ser Ile Pro Cys
 48 1 5
 51 <210> SEQ ID NO: 2
 52 <211> LENGTH: 12
 53 <212> TYPE: PRT
 54 <213> ORGANISM: Artificial
 56 <220> FEATURE:
 57 <223> OTHER INFORMATION: Synthetic peptide substrate
 60 <220> FEATURE:
 61 <221> NAME/KEY: MOD_RES
 62 <222> LOCATION: (3)..(3)
 63 <223> OTHER INFORMATION: X is Aib or Pro
 65 <400> SEQUENCE: 2
 W--> 67 Lys Asp Xaa Thr Gly Arg Thr Gly Pro Lys Gly Tyr

RAW SEQUENCE LISTING

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:19

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

```

68 1          5          10
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 14
73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic peptide substrate
80 <220> FEATURE:
W--> 81 <221> NAME/KEY: Artificial
82 <222> LOCATION: (1)..(14)
83 <223> OTHER INFORMATION: Artificial protease substrate
85 <400> SEQUENCE: 3
87 Lys Asp Pro Pro Thr Gly Arg Thr Gly Pro Pro Lys Gly Tyr
88 1          5          10
91 <210> SEQ ID NO: 4
92 <211> LENGTH: 14
93 <212> TYPE: PRT
94 <213> ORGANISM: Artificial
96 <220> FEATURE:
97 <223> OTHER INFORMATION: Synthetic peptide substrate
100 <220> FEATURE:
101 <221> NAME/KEY: MOD_RES
102 <222> LOCATION: (3)..(3)
103 <223> OTHER INFORMATION: X is Aib or Pro
105 <400> SEQUENCE: 4
W--> 107 Lys Asp Xaa Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
108 1          5          10
111 <210> SEQ ID NO: 5
112 <211> LENGTH: 14
113 <212> TYPE: PRT
114 <213> ORGANISM: Artificial
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Synthetic peptide substrate
120 <220> FEATURE:
121 <221> NAME/KEY: MOD_RES
122 <222> LOCATION: (3)..(3)
123 <223> OTHER INFORMATION: X is Aib or Pro
125 <400> SEQUENCE: 5
W--> 127 Lys Asp Xaa Asp Glu Val Asn Gly Ile Asp Pro Lys Gly Tyr
128 1          5          10
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 13
133 <212> TYPE: PRT
134 <213> ORGANISM: Artificial
136 <220> FEATURE:
137 <223> OTHER INFORMATION: Synthetic peptide substrate
140 <220> FEATURE:
141 <221> NAME/KEY: MOD_RES
142 <222> LOCATION: (3)..(3)

```

RAW SEQUENCE LISTING

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:19

Input Set : A:\300-903840US.txt

Output Set : N:\CRF4\10272006\I874350E.raw

143 <223> OTHER INFORMATION: X is Aib or Pro
145 <400> SEQUENCE: 6
W--> 147 Lys Asp Xaa Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
148 1 5 10
151 <210> SEQ ID NO: 7
152 <211> LENGTH: 13
153 <212> TYPE: PRT
154 <213> ORGANISM: Artificial
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Synthetic peptide substrate
160 <220> FEATURE:
161 <221> NAME/KEY: MOD_RES
162 <222> LOCATION: (4)..(4)
163 <223> OTHER INFORMATION: X is Aib or Pro
165 <400> SEQUENCE: 7
W--> 167 Lys Asp Tyr Xaa Ala Asp Gly Ile Asp Pro Lys Gly Tyr
168 1 5 10
171 <210> SEQ ID NO: 8
172 <211> LENGTH: 14
173 <212> TYPE: PRT
174 <213> ORGANISM: Artificial
176 <220> FEATURE:
177 <223> OTHER INFORMATION: Synthetic peptide substrate
180 <220> FEATURE:
181 <221> NAME/KEY: MOD_RES
182 <222> LOCATION: (1)..(1)
183 <223> OTHER INFORMATION: BLOCKED WITH FMOC
185 <220> FEATURE:
186 <221> NAME/KEY: MOD_RES
187 <222> LOCATION: (3)..(3)
188 <223> OTHER INFORMATION: X is Aib or Pro
190 <400> SEQUENCE: 8
W--> 192 Lys Asp Xaa Asp Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr
193 1 5 10
196 <210> SEQ ID NO: 9
197 <211> LENGTH: 14
198 <212> TYPE: PRT
199 <213> ORGANISM: Artificial
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Synthetic peptide substrate
205 <220> FEATURE:
206 <221> NAME/KEY: MOD_RES
207 <222> LOCATION: (1)..(1)
208 <223> OTHER INFORMATION: BLOCKED with Fmoc
210 <220> FEATURE:
211 <221> NAME/KEY: MOD_RES
212 <222> LOCATION: (3)..(3)
213 <223> OTHER INFORMATION: X is Aib or Pro
215 <400> SEQUENCE: 9

RAW SEQUENCE LISTING

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:19

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

W--> 217 Lys Asp Xaa Asp Glu Val Asn Gly Ile Asp Pro Lys Gly Tyr

218 1 5 10

221 <210> SEQ ID NO: 10

222 <211> LENGTH: 13

223 <212> TYPE: PRT

224 <213> ORGANISM: Artificial

226 <220> FEATURE:

227 <223> OTHER INFORMATION: Synthetic peptide substrate

230 <220> FEATURE:

231 <221> NAME/KEY: MOD_RES

232 <222> LOCATION: (1)..(1)

233 <223> OTHER INFORMATION: BLOCKED with Fmoc

235 <220> FEATURE:

236 <221> NAME/KEY: MOD_RES

237 <222> LOCATION: (3)..(3)

238 <223> OTHER INFORMATION: X is Aib or Pro

240 <400> SEQUENCE: 10

W--> 242 Lys Asp Xaa Glu Val Asp Gly Ile Asp Pro Lys Gly Tyr

243 1 5 10

246 <210> SEQ ID NO: 11

247 <211> LENGTH: 12

248 <212> TYPE: PRT

249 <213> ORGANISM: Artificial

251 <220> FEATURE:

252 <223> OTHER INFORMATION: Synthetic peptide substrate

255 <220> FEATURE:

256 <221> NAME/KEY: MOD_RES

257 <222> LOCATION: (1)..(1)

258 <223> OTHER INFORMATION: BLOCKED with Fmoc

260 <400> SEQUENCE: 11

262 Lys Asp Ala Ile Pro Met Ser Ile Pro Lys Gly Tyr

263 1 5 10

266 <210> SEQ ID NO: 12

267 <211> LENGTH: 12

268 <212> TYPE: PRT

269 <213> ORGANISM: Artificial

271 <220> FEATURE:

272 <223> OTHER INFORMATION: Synthetic peptide substrate

275 <220> FEATURE:

276 <221> NAME/KEY: MOD_RES

277 <222> LOCATION: (1)..(1)

278 <223> OTHER INFORMATION: BLOCKED with Fmoc

280 <220> FEATURE:

281 <221> NAME/KEY: MOD_RES

282 <222> LOCATION: (6)..(6)

283 <223> OTHER INFORMATION: X is norleucine

285 <400> SEQUENCE: 12

W--> 287 Lys Asp Ala Ile Pro Xaa Ser Ile Pro Lys Gly Tyr

288 1 5 10

RAW SEQUENCE LISTING

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:19

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

```

291 <210> SEQ ID NO: 13
292 <211> LENGTH: 16
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Synthetic peptide substrate
300 <220> FEATURE:
301 <221> NAME/KEY: MOD_RES
302 <222> LOCATION: (1)..(1)
303 <223> OTHER INFORMATION: BLOCKED with Fmoc
305 <220> FEATURE:
306 <221> NAME/KEY: MOD_RES
307 <222> LOCATION: (3)..(3)
308 <223> OTHER INFORMATION: X is Aib or Pro
310 <400> SEQUENCE: 13
W--> 312 Lys Asp Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Pro Lys Gly Tyr
      313 1          5          10          15
316 <210> SEQ ID NO: 14
317 <211> LENGTH: 18
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Synthetic peptide substrate
325 <220> FEATURE:
326 <221> NAME/KEY: MOD_RES
327 <222> LOCATION: (1)..(1)
328 <223> OTHER INFORMATION: BLOCKED with Fmoc
330 <220> FEATURE:
331 <221> NAME/KEY: MOD_RES
332 <222> LOCATION: (3)..(3)
333 <223> OTHER INFORMATION: X is Aib or Pro
335 <220> FEATURE:
336 <221> NAME/KEY: MOD_RES
337 <222> LOCATION: (4)..(4)
338 <223> OTHER INFORMATION: X is epsilon aminocaproic acid
340 <220> FEATURE:
341 <221> NAME/KEY: MOD_RES
342 <222> LOCATION: (14)..(14)
343 <223> OTHER INFORMATION: X is epsilon aminocaproic acid
345 <400> SEQUENCE: 14
W--> 347 Lys Asp Xaa Xaa Gly Asp Glu Val Asp Gly Ile Asp Gly Xaa Pro Lys
      348 1          5          10          15
351 Gly Tyr
355 <210> SEQ ID NO: 15
356 <211> LENGTH: 18
357 <212> TYPE: PRT
358 <213> ORGANISM: Artificial
360 <220> FEATURE:
361 <223> OTHER INFORMATION: Synthetic peptide substrate

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/874,350E

DATE: 10/27/2006
TIME: 10:18:20

Input Set : A:\300-903840US.txt
Output Set: N:\CRF4\10272006\I874350E.raw

FBI
Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 5
Seq#:2; Xaa Pos. 3
Seq#:4; Xaa Pos. 3
Seq#:5; Xaa Pos. 3
Seq#:6; Xaa Pos. 3
Seq#:7; Xaa Pos. 4
Seq#:8; Xaa Pos. 3
Seq#:9; Xaa Pos. 3
Seq#:10; Xaa Pos. 3
Seq#:12; Xaa Pos. 6
Seq#:13; Xaa Pos. 3
Seq#:14; Xaa Pos. 3,4,14
Seq#:15; Xaa Pos. 3,4,14
Seq#:17; Xaa Pos. 4,14
Seq#:18; Xaa Pos. 4,14
Seq#:19; Xaa Pos. 4,6,15
Seq#:20; Xaa Pos. 4
Seq#:21; Xaa Pos. 13
Seq#:22; Xaa Pos. 4,14
Seq#:23; Xaa Pos. 4,14
Seq#:24; Xaa Pos. 4,14
Seq#:25; Xaa Pos. 4,14
Seq#:26; Xaa Pos. 4,14
Seq#:27; Xaa Pos. 3,4,14
Seq#:28; Xaa Pos. 3,4,14
Seq#:29; Xaa Pos. 3,4,14
Seq#:30; Xaa Pos. 3,4,14
Seq#:31; Xaa Pos. 3,4,5,14,15
Seq#:32; Xaa Pos. 3,4,14
Seq#:33; Xaa Pos. 3,4,14
Seq#:34; Xaa Pos. 3,4,14
Seq#:35; Xaa Pos. 3,4,14
Seq#:36; Xaa Pos. 3,4,14
Seq#:37; Xaa Pos. 3,4,6,15
Seq#:38; Xaa Pos. 3,4,6,15
Seq#:39; Xaa Pos. 3,4,15
Seq#:40; Xaa Pos. 3,4,15
Seq#:41; Xaa Pos. 3,4,6,7,16
Seq#:42; Xaa Pos. 3,4,16
Seq#:43; Xaa Pos. 3
Seq#:44; Xaa Pos. 3
Seq#:45; Xaa Pos. 3
Seq#:46; Xaa Pos. 3
Seq#:47; Xaa Pos. 3

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/874,350E

DATE: 10/27/2006
TIME: 10:18:20

Input Set : A:\300-903840US.txt
Output Set: N:\CRF4\10272006\I874350E.raw

Seq#:48; Xaa Pos. 3
Seq#:49; Xaa Pos. 3,4,14
Seq#:50; Xaa Pos. 3,4,14
Seq#:51; Xaa Pos. 3,4,14
Seq#:52; Xaa Pos. 3,4,14
Seq#:53; Xaa Pos. 3,4,14
Seq#:54; Xaa Pos. 3,4,14
Seq#:55; Xaa Pos. 3
Seq#:56; Xaa Pos. 3
Seq#:57; Xaa Pos. 3
Seq#:58; Xaa Pos. 3
Seq#:59; Xaa Pos. 3
Seq#:60; Xaa Pos. 3
Seq#:61; Xaa Pos. 3,4
Seq#:62; Xaa Pos. 3,4
Seq#:63; Xaa Pos. 3,4
Seq#:64; Xaa Pos. 3,4
Seq#:65; Xaa Pos. 3,4
Seq#:66; Xaa Pos. 3,4
Seq#:67; Xaa Pos. 4,13
Seq#:68; Xaa Pos. 4,13
Seq#:69; Xaa Pos. 3
Seq#:70; Xaa Pos. 3
Seq#:71; Xaa Pos. 3,4,14
Seq#:72; Xaa Pos. 3,4,14
Seq#:73; Xaa Pos. 4,14
Seq#:74; Xaa Pos. 4,12
Seq#:75; Xaa Pos. 4,12
Seq#:76; Xaa Pos. 3
Seq#:77; Xaa Pos. 3
Seq#:78; Xaa Pos. 3
Seq#:79; Xaa Pos. 3
Seq#:80; Xaa Pos. 3,4,13
Seq#:81; Xaa Pos. 3,4,13
Seq#:82; Xaa Pos. 3,4,15
Seq#:83; Xaa Pos. 3,4,15
Seq#:84; Xaa Pos. 3
Seq#:85; Xaa Pos. 3
Seq#:86; Xaa Pos. 3,4,15
Seq#:87; Xaa Pos. 3,4,15
Seq#:88; Xaa Pos. 3,4,15
Seq#:89; Xaa Pos. 3,4,15
Seq#:90; Xaa Pos. 3,4,15
Seq#:91; Xaa Pos. 3,4,15
Seq#:92; Xaa Pos. 3,4,14
Seq#:93; Xaa Pos. 3,4,14
Seq#:94; Xaa Pos. 3,4,14
Seq#:95; Xaa Pos. 3,4,14
Seq#:96; Xaa Pos. 3,4,15

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/874,350E

DATE: 10/27/2006
TIME: 10:18:20

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

Seq#:97; Xaa Pos. 3,4,15
Seq#:98; Xaa Pos. 3,4,15
Seq#:99; Xaa Pos. 3,4,14
Seq#:100; Xaa Pos. 3,4,14
Seq#:101; Xaa Pos. 3,4,12
Seq#:102; Xaa Pos. 3,4,12
Seq#:103; Xaa Pos. 3,4
Seq#:104; Xaa Pos. 3,4
Seq#:105; Xaa Pos. 3,4
Seq#:106; Xaa Pos. 3,4
Seq#:107; Xaa Pos. 3,4
Seq#:108; Xaa Pos. 3,4
Seq#:109; Xaa Pos. 3,4
Seq#:110; Xaa Pos. 3,4
Seq#:111; Xaa Pos. 3,4
Seq#:112; Xaa Pos. 3,4,16
Seq#:113; Xaa Pos. 3,4,16
Seq#:114; Xaa Pos. 3,4,16
Seq#:115; Xaa Pos. 3,4,13
Seq#:116; Xaa Pos. 3,4,13
Seq#:117; Xaa Pos. 3,4,13
Seq#:118; Xaa Pos. 3,4,13
Seq#:119; Xaa Pos. 3,4,12
Seq#:120; Xaa Pos. 3,4,13
Seq#:121; Xaa Pos. 3,4,13
Seq#:122; Xaa Pos. 4
Seq#:124; Xaa Pos. 11
Seq#:125; Xaa Pos. 9
Seq#:126; Xaa Pos. 4,11
Seq#:127; Xaa Pos. 4
Seq#:129; Xaa Pos. 4,10
Seq#:130; Xaa Pos. 4
Seq#:131; Xaa Pos. 4
Seq#:132; Xaa Pos. 3,4,13
Seq#:133; Xaa Pos. 3,4,13
Seq#:134; Xaa Pos. 3,4,13
Seq#:135; Xaa Pos. 3,4,13
Seq#:136; Xaa Pos. 4,16,22
Seq#:137; Xaa Pos. 4,16
Seq#:138; Xaa Pos. 4,16
Seq#:139; Xaa Pos. 3,4,16
Seq#:140; Xaa Pos. 3,4,16
Seq#:141; Xaa Pos. 3,4,16
Seq#:142; Xaa Pos. 3,4,16
Seq#:143; Xaa Pos. 3,4,16
Seq#:144; Xaa Pos. 3,4,18
Seq#:145; Xaa Pos. 3,4,19
Seq#:146; Xaa Pos. 3,4,13
Seq#:147; Xaa Pos. 3,4,13

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/874,350E

DATE: 10/27/2006
TIME: 10:18:20

Input Set : A:\300-903840US.txt
Output Set: N:\CRF4\10272006\I874350E.raw

Seq#:148; Xaa Pos. 3,4,5,12,13
Seq#:149; Xaa Pos. 3,4,13
Seq#:150; Xaa Pos. 3
Seq#:151; Xaa Pos. 3
Seq#:152; Xaa Pos. 3,4,5,12,13
Seq#:153; Xaa Pos. 3,4,13
Seq#:154; Xaa Pos. 3
Seq#:155; Xaa Pos. 3
Seq#:156; Xaa Pos. 3,4,5,12,13
Seq#:157; Xaa Pos. 3,4,13
Seq#:158; Xaa Pos. 3
Seq#:159; Xaa Pos. 3
Seq#:160; Xaa Pos. 3,4,5,12,13
Seq#:161; Xaa Pos. 3,4,13
Seq#:162; Xaa Pos. 3
Seq#:163; Xaa Pos. 3
Seq#:164; Xaa Pos. 4,16
Seq#:165; Xaa Pos. 4,14
Seq#:166; Xaa Pos. 4,14
Seq#:167; Xaa Pos. 4,14
Seq#:168; Xaa Pos. 4,11
Seq#:169; Xaa Pos. 4,14
Seq#:170; Xaa Pos. 4,14
Seq#:171; Xaa Pos. 4,14
Seq#:172; Xaa Pos. 12
Seq#:173; Xaa Pos. 4,12
Seq#:174; Xaa Pos. 4,12
Seq#:175; Xaa Pos. 4,14
Seq#:176; Xaa Pos. 4,15
Seq#:177; Xaa Pos. 4,14
Seq#:184; Xaa Pos. 5
Seq#:185; Xaa Pos. 5
Seq#:188; Xaa Pos. 6
Seq#:189; Xaa Pos. 6
Seq#:190; Xaa Pos. 5
Seq#:198; Xaa Pos. 4,14
Seq#:199; Xaa Pos. 4,14
Seq#:202; Xaa Pos. 6
Seq#:203; Xaa Pos. 4,14
Seq#:204; Xaa Pos. 4,14
Seq#:205; Xaa Pos. 4,14
Seq#:206; Xaa Pos. 4,14
Seq#:207; Xaa Pos. 4,14
Seq#:212; Xaa Pos. 4,14
Seq#:213; Xaa Pos. 4
Seq#:215; Xaa Pos. 4,16
Seq#:218; Xaa Pos. 3
Seq#:219; Xaa Pos. 3
Seq#:220; Xaa Pos. 3,4,14

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/27/2006
PATENT APPLICATION: US/09/874,350E TIME: 10:18:20

Input Set : A:\300-903840US.txt
Output Set: N:\CRF4\10272006\I874350E.raw

Seq#:221; Xaa Pos. 3,4,6,14

Invalid <213> Response:

**Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.**

Seq#:1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51
Seq#:52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75
Seq#:76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99
Seq#:100,101,102,103,104,105,107,108,109,110,111,112,113,114,115,116,117,118
Seq#:119,120,121,122,123,124,125,126,127,128,129,130,131,132,133,134,135,136
Seq#:137,138,139,140,141,142,143,144,145,146,147,148,149,150,151,152,153,154
Seq#:155,156,157,158,159,160,161,162,163,164,165,166,167,168,169,170,171,172
Seq#:173,174,175,176,177,178,179,180,181,182,183,184,185,186,187,188,189,190
Seq#:191,192,193,194,195,196,197,198,199,200,201,202,203,204,205,206,207,208
Seq#:209,210,211,212,213,214,215,216,217,218,219,220,221

VERIFICATION SUMMARY

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:20

Input Set : A:\300-903840US.txt

Output Set : N:\CRF4\10272006\I874350E.raw

L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:67 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:81 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:347 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:440 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:519 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:548 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:616 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:680 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:714 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:748 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:787 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:870 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:909 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:943 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:1011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:1045 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:1079 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:1113 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:1152 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:1225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:1264 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:1303 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:1342 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1426 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0
L:1496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:1530 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0

VERIFICATION SUMMARY

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:20

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

L:1564 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51 after pos.:0
L:1598 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52 after pos.:0
L:1637 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:0
L:1666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54 after pos.:0
L:1690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55 after pos.:0
L:1710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56 after pos.:0
L:1730 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57 after pos.:0
L:1750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58 after pos.:0
L:1770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59 after pos.:0
L:1790 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:60 after pos.:0
L:1815 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:61 after pos.:0
L:1844 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62 after pos.:0
L:1873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63 after pos.:0
L:1902 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64 after pos.:0
L:1931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65 after pos.:0
L:1960 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0
L:1994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0
L:2028 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0
L:2052 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69 after pos.:0
L:2072 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:2102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71 after pos.:0
L:2136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:2170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73 after pos.:0
L:2204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0
L:2234 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75 after pos.:0
L:2254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76 after pos.:0
L:2278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77 after pos.:0
L:2302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78 after pos.:0
L:2326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79 after pos.:0
L:2360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80 after pos.:0
L:2394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81 after pos.:0
L:2428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82 after pos.:0
L:2462 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83 after pos.:0
L:2486 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84 after pos.:0
L:2510 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85 after pos.:0
L:2544 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:0
L:2578 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:0
L:2612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88 after pos.:0
L:2651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89 after pos.:0
L:2690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90 after pos.:0
L:2729 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:91 after pos.:0
L:2763 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:92 after pos.:0
L:2797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93 after pos.:0
L:2836 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94 after pos.:0
L:2875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:95 after pos.:0
L:2919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96 after pos.:0
L:2963 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97 after pos.:0
L:3007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98 after pos.:0
L:3041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99 after pos.:0

VERIFICATION SUMMARY

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:20

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

L:3075 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100 after pos.:0
L:3109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:0
L:3139 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:102 after pos.:0
L:3164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:103 after pos.:0
L:3193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:104 after pos.:0
L:3222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:105 after pos.:0
L:3251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:106 after pos.:0
L:3280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:107 after pos.:0
L:3309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108 after pos.:0
L:3338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:109 after pos.:0
L:3367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:110 after pos.:0
L:3396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:111 after pos.:0
L:3430 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:112 after pos.:0
L:3464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113 after pos.:0
L:3498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:114 after pos.:0
L:3532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:115 after pos.:0
L:3571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:0
L:3605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:117 after pos.:0
L:3639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:118 after pos.:0
L:3673 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119 after pos.:0
L:3703 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:120 after pos.:0
L:3742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121 after pos.:0
L:3771 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122 after pos.:0
L:3816 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:124 after pos.:0
L:3841 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:125 after pos.:0
L:3871 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:126 after pos.:0
L:3896 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:127 after pos.:0
L:3941 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129 after pos.:0
L:3961 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:130 after pos.:0
L:3981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131 after pos.:0
L:4011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:132 after pos.:0
L:4050 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:133 after pos.:0
L:4084 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:134 after pos.:0
L:4123 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:135 after pos.:0
L:4162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:0
L:4166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:136 after pos.:16
L:4211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:137 after pos.:0
L:4260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:138 after pos.:0
L:4299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:139 after pos.:0
L:4333 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140 after pos.:0
L:4367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:141 after pos.:0
L:4385 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142
L:4390 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142
L:4395 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:142
L:4401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:142 after pos.:0
L:4435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:143 after pos.:0
L:4469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:0
L:4473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:144 after pos.:16
L:4503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:0

VERIFICATION SUMMARY

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:20

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

L:4507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:145 after pos.:16
L:4537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:146 after pos.:0
L:4571 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:147 after pos.:0
L:4605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:148 after pos.:0
L:4635 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:149 after pos.:0
L:4655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:150 after pos.:0
L:4675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:151 after pos.:0
L:4705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152 after pos.:0
L:4735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:153 after pos.:0
L:4755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:154 after pos.:0
L:4775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:155 after pos.:0
L:4805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:156 after pos.:0
L:4835 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:157 after pos.:0
L:4855 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:158 after pos.:0
L:4875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:159 after pos.:0
L:4905 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:160 after pos.:0
L:4935 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:161 after pos.:0
L:4955 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:162 after pos.:0
L:4975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:163 after pos.:0
L:5005 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:164 after pos.:0
L:5039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:165 after pos.:0
L:5073 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166 after pos.:0
L:5107 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:167 after pos.:0
L:5141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:168 after pos.:0
L:5171 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:169 after pos.:0
L:5200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:170 after pos.:0
L:5229 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:0
L:5253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:0
L:5278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:0
L:5308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174 after pos.:0
L:5338 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175 after pos.:0
L:5372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176 after pos.:0
L:5406 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177 after pos.:0
L:5452 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:180
L:5472 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:181
L:5532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:184 after pos.:0
L:5552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:185 after pos.:0
L:5649 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:188 after pos.:0
L:5683 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:189 after pos.:0
L:5717 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:190 after pos.:0
L:5979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:198 after pos.:0
L:6027 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:199 after pos.:0
L:6133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:202 after pos.:0
L:6158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203 after pos.:0
L:6187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:204 after pos.:0
L:6216 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:205 after pos.:0
L:6245 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206 after pos.:0
L:6274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:207 after pos.:0
L:6326 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:210

VERIFICATION SUMMARY

DATE: 10/27/2006

PATENT APPLICATION: US/09/874,350E

TIME: 10:18:20

Input Set : A:\300-903840US.txt

Output Set: N:\CRF4\10272006\I874350E.raw

L:6376 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:212 after pos.:0
L:6410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:213 after pos.:0
L:6455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:215 after pos.:0
L:6513 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:218 after pos.:0
L:6533 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:219 after pos.:0
L:6563 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:220 after pos.:0
L:6602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:221 after pos.:0